

J.J. College of Arts and Science (Autonomous)

Sivapuram Post, Pudukkottai – 622 422

(Re-Accredited by NAAC – 4th Cycle)

Affiliated to Bharathidasan University, Tiruchirappalli

Minutes of the Board of Studies in the

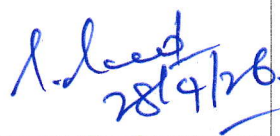
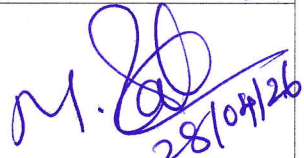
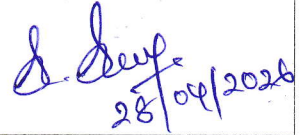
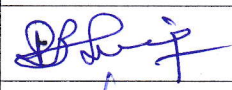
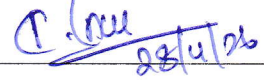
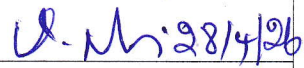
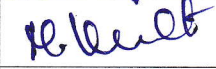
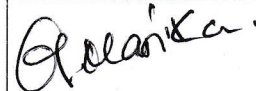
Department of Data Science

Meeting No: 03

Date: 28.04.26 & Time: 11.00 a.m.

The Meeting of the Board of Studies in the Department of Data Science (U.G) for the newly framed syllabi to be implemented from the Academic year 2026-2027 onwards, was conducted at 11.00 a.m. on Tuesday, 28.04.2026.

Members List

S.No.	Name	Designation	Signature
1.	Dr. S. Sudha Associate Professor and Head Department of Data Science J.J.College of Arts and Science Autonomous) Pudukkottai.	Chairman	 28/4/26
2.	Dr. M. Lalli Associate Professor Department of Computer Science Engineering and Computer Applications Bharathidasan University Khaja malai campus, Tiruchirappalli – 23	University Nominee	 28/04/26
3.	Dr. R. Raja Associate Professor Ramanujam Centre for Higher Mathematics Alagappa University, Karaikudi – 630 003	Subject Expert	 28/04/2026
4.	Dr. S. Murugan Associate Professor Department of Computer Science Alagappa Govt. Arts College Karaikudi.	Subject Expert	AAA.
5.	Dr. R. Bhuvaneswari	Senior Faculty members of the Department	
6.	Mr. K. Ramesh		 28/4/26
7.	Ms.U.Nithya		 28/4/26
8.	Mr.G. Santhosh kumar		
9.	Dr. M. Kavitha		
10.	Mr. G. Manikandan ETL Tester, Cognizant Technology Solutions, Coimbatore.	Corporate Member,	
11.	Mr. U. Karthikeyan Director, UK Infotech, Sriram Complex, Pudukkottai.	Post Graduate Alumnus,	AAA.

Minutes

The Chairman, Dr. S.Sudha chaired the meeting and welcomed all the members to the twelfth BoS Meeting. After a brief introduction, the following resolutions were discussed and passed.

It was resolved

1. To approve the revised UG curriculum, in accordance with the guidelines of UGC-LOCF, NAAC, TANSCHÉ and the Parent University.
2. To approve the Curriculum, Course Structure (Syllabi) recommended for implementation from the academic year 2026-2027 onwards.
3. To approve the General Course Structure for the B.Sc. Programmes, along with the syllabi for the first two semesters, were discussed and scrutinized for implementation from the academic year 2026-2027 onwards.
4. To approve the following course structure for UG Programme.

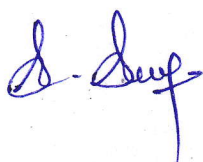
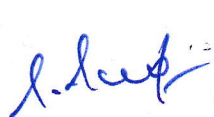
Distribution of Courses – UG

Part	Semester	Course	No. of Courses	Credit	Marks
I	1 – 4	Language (Tamil/Hindi/French/Sanskrit)	04	12	400
II	1 – 4	Language – English	04	12	400
III	1 – 6	Core Course (Theory)	15	96 (CC – 69, AC – 18, DSE – 09)	2400
	1 – 4	Allied Course (Theory)	06		
	5 & 6	Discipline Specific Elective	03		
IV	5	Internship	01	02	100
	3, 4 & 5	Skill Enhancement Course (SEC)	03	06	1200
	1 & 2	Generic Elective Course (IDC)	02	04	
	3, 4, 5 & 6	Ability Enhancement Compulsory Course (AECC) (EVS, VE, DM, GS)	04	08	
	4 & 5	Self – Learning Course	02	04	
	6	Value Added Course	01	02	
V	3	Health and Wellness	01	01	100
	6	Extension Activity	-	01	-
Grand Total			46	148	4600

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5. To approve the changes made in the curriculum based on the special feedback received from all stakeholders on the existing curricula, courses and Syllabi.
6. To adopt the revised Bloom's Taxonomy in framing the Course Outcomes.
7. To approve the newly incorporated guidelines on Curriculum Design prescribed by NAAC.
 - a) The curriculum framework has been aligned with OBE by defining POs, COs & PEOs/PSOs.
 - b) Generic Open Elective Courses for UG Programme has been designed in alignment with the CBCS to ensure curriculum flexibility.
 - c) Practical and Industry focused field work/project and Internship Training have been incorporated into the curriculum.
 - d) Skill oriented courses offered by the Departments are aligned with NCrF, NSQF, and NHEQF.
 - e) Greater focus has been given to incorporate components of Indian Knowledge Systems into the curriculum.
 - f) Online courses for UG through MOOCs/ NPTEL/SWAYAM / SWAYAM PLUS have been incorporated into the curriculum.
 - g) A relationship matrix mapping for COs, POs and PSOs has been implemented for all courses.
 - h) The Curriculum addresses local, regional, national and global needs.
 - i) Courses focus on Employability, Entrepreneurship and Skill Development.
 - j) Courses also emphasize Gender, Environment and Sustainability, Human Values and Professional Ethics.
8. To approve the inclusion of a self-learning course from SWAYAM / SWAYAM PLUS for the UG programme in the 4th semester, carrying two credits and 100 marks, and a subject related self-learning course offered by the department in the 5th Semester also carrying two credits and 100 marks.
9. To approve that, in the fourth semester, if a student is unable to complete the SWAYAM course, the student shall be permitted to take an optional course offered by the Department under the self-learning category only in the final semester.
10. To approve the inclusion of Value Added Course in the sixth semester for the UG Programme under Part – IV.
11. To approve the new evaluation pattern of CIA – 30, ESE –70 for UG programme as per the guidelines given by UGC and TANSCH on Examination and Evaluation reforms.



12. To approve the following pattern for the calculation of CIA

UG	
Category	Marks
Mid-Semester	7.5
Model Exam	7.5
Assignment 1	05
Assignment 2	05
Attendance	05
Total	30

13. To approve the following question paper pattern for the ESE – 70 marks:

S. No	Section	Marks
1	Part – A	10 x 1 = 10 (5 MCQ & 5 Fill in the blanks)
2	Part – B	5 x 2 = 10 Marks
3	Part – C	5x4 = 20 marks (either... or choice/)
4	Part – D	3x10 = 30 marks (Open choice - 3 out of 5)
Total		70 marks

14. To approve the following evaluation pattern for the UG project:

S. No	Description	Marks
1	Plan of the Project	20
2	Logical Execution of the Plan	40
3	Innovation	
4	Usage of Modern Tools / Technology	
5	Individual Contribution / Group Activity	
6	Project Report	20
7	Viva-Voce	20
Total		100

15. To approve the internship training shall be undertaken by UG students during their IV semester summer vacation with a duration of 15 to 21 working days.

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16. To approve the continuance of awarding credits for the internship course to be reflected in the 5th Semester mark statement for UG programmes. The scheme for awarding marks for UG programme is as follows:

S. No	Description	Marks
1	Report	50
2	Viva Voce	50
	Total	100

17. To continue to follow the existing evaluation system for the Health and Wellness Course

Scheme of Evaluation:

Part	Description	Marks
A	Report	40
B	Attendance	20
C	Activities (Observation During Practice)	40
	Total	100

18. To approve the inclusion of Introduction to Disaster Management as Ability Enhancement Course in the 5th Semester for all UG Programmes.
19. To approve the following system for students who have not studied Tamil under Part – I (Languages).

GENERIC ELECTIVE COURSE (IDC) FOR WHO HAVE NOT STUDIED TAMIL UNDER PART – I		
Those who have studied Tamil upto 10 th +2 but opt for other languages in degree	1 st Semester	Special Tamil - I
	2 nd Semester	Special Tamil – II
Those who have not studied Tamil in school level	1 st Semester	Basic Tamil – I
	2 nd Semester	Basic Tamil – II

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20. Resolved to have the following 15 Core Courses listed in the 6 semesters

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
1.	U1R4DSCC1	Fundamentals of Data Science	Newly Introduced
2.	U1R4DSCC2P	Data Analytics Practical	Newly Introduced
3.	U2R4DSCC3	Data Structures	Newly Introduced
4.	U2R4DSCC4P	Data Structures Practical	Newly Introduced
5.	U3R4DSCC5	Database Systems	-
6.	U3R4DSCC6P	Database Systems Practical	-
7.	U4R4DSCC7	Artificial Intelligence and Machine Learning	-
8.	U4R4DSCC8P	Artificial Intelligence Practical	-
9.	U5R4DSCC9	Computer Networks	-
10.	U5R4DSCC10	Operating System	-
11.	U5R4DSCC11	Problem Solving using Python	-
12.	U5R4DSCC12P	Python Programming Practical	-
13.	U6R4DSCC13	Big Data Analytics	-
14.	U6R4DSCC14P	Big Data Analytics Practical	-
15.	U6R4DSCC15PW	Project Work	-

21. Resolved to have the following 6 Discipline Specific Elective Courses listed in the 5th and 6th semesters

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
1.	U5R4DSDSE1:1	Cloud Computing	-
2.	U5R4DSDSE1:2	Internet of Things	-
3.	U6R4DSDSE2:1	Natural Language Processing	-
4.	U6R4DSDSE2:2	Social Media Analytics	-
5.	U6R4DSDSE3:1	Principles of Deep Learning	-
6.	U6R4DSDSE3:2	Information Security	-

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22. Resolved to have the following 6 Skill Enhancement Courses listed in the 3rd to 6th semesters

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
1.	U3R4DSSEC1:1	Shell Programming	-
2.	U3R4DSSEC1:2	Web Technology	-
3.	U4R4DSSEC2:1	Data Visualization	-
4.	U4R4DSSEC2:2	Web Scraping and Data Collection	-
5.	U5R4DSSEC3:1	Software Engineering	-
6.	U5R4DSSEC3:2	Software Project Management	-

23. Resolved to have the following Allied Course listed in the First Semester

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
1.	U1R4DSAC1	Essentials of Mathematics	-
2.	U1R4DSAC2	Numerical Methods	-
3.	U2R4DSAC3	Mathematical Statistics	-
4.	U2R4DSAC4	Discrete Mathematics	-
5.	U3R4DSAC5	Probability and Statistics	-
6.	U4R4DSAC6	Operations Research	-

24. Resolved to have the following 4 Ability Enhancement Compulsory Courses listed in the 3rd to 6th semesters

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
1.	U3R4AECC1	Value Education	-
2.	U4R4AECC2	Environmental Studies	-
3.	U5R4AECC3	Introduction to Disaster Management	Newly Introduced
4.	U6R4AECC4	Gender Studies	-

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25. Resolved to have the following Self Learning Courses (Department Specific Courses) listed in the 4th and 5th semesters

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
1.	U4R4DSSLC 1:1/1:2	Online Course (MOOCs/ NPTEL/ SWAYAM/ SWAYAM PLUS) / Special Elective Course	-
2.	U5R4DSSLC2:1	Business Analytics for Decision Making	-
3.	U5R4DSSLC2:2	Business Intelligence and Analytics	-

26. Resolved to have Internship in the summer vacation of 4th Semester and evaluated in the 5th Semester

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
1.	U5R4DSINT	Internship	-

27. Resolved to have the following Value Added Course listed in the 6th semester

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
1.	U6R4DSVAC	Soft Skills	-

28. Resolved to offer the following Generic Elective Course listed in the 1st and 2nd Semesters

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
1.	U1R4DSGEC1	Digital Literacy and Office Automation	Newly Introduced
2.	U2R4DSGEC2	Data Science for Entrepreneurship Development	Newly Introduced

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